## JC04 Rec'd PCT/PTO 11 JUL 2005

PTO-1390 (Rev. 07-2005) Approved for use through 3/31/2007, OMB 0651-0021 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL LETTER TO THE UNITED STATES			ATTORNEY'S DOCKET NUMBER 101382/104		
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371			U.S. APPERCATION NO. Of known see 37 CFR 1.5)		
	TIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED		
PCT/CA	2004/000008	January 13, 2004	January 13, 2003		
TITLE OF INVENTION PIPELINE MONITORING SYSTEM					
APPLICANT(S) FOR DO/EO/US Peter 0. PAULSON					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
1. X This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.					
2.	This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.				
3.	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.				
4. 🗆	The US has been elected (Article 31).				
5. X	A copy of the International Application as filed (35 U.S.C. 371(c)(2))				
	a. is attached hereto (required only if not communicated by the International Bureau).				
	b. X has been communicated by the International Bureau.				
	c. is not required, as the application was filed in the United States Receiving Office (RO/US).				
6.	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).				
	a. is attached hereto.				
L	b. has been previously submit	tted under 35 U.S.C. 154(d)(4).			
7.	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))				
	a. are attached hereto (required only if not communicated by the International Bureau).				
	b. have been communicated by the International Bureau.				
	c. have not been made; however, the time limit for making such amendments has NOT expired.				
	d. have not been made and will not be made.				
8. 🗌	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).				
9. 🗌	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).				
10.	An English language translation of the Article 36 (35 U.S.C. 371(c)(5)).	e annexes of the International Preliminary E	xamination Report under PCT		
Items 11 to 20 below concern document(s) or information included:					
11. X	An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.			
12. 🔲	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.				
13. X	A preliminary amendment.				
14. 🗆	An Application Data Sheet under 37 CFR 1.76.				
15. 🗆	A substitute specification.				
16. 🔲	A power of attorney and/or change of address letter.				
17.	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.				
18.	A second copy of the published Intern	national Application under 35 U.S.C. 154(d)(	4).		
19.	A second copy of the English language	ge translation of the international application	under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO-1390 (Rev. 07-2005)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER 101382/104 PCT/CA2004/000008 20. Other items or information: return post card CALCULATIONS PTO USE ONLY The following fees have been submitted 21. 🛛 300.00 22. X Examination fee (37 CFR 1.492(c)) \$ 200.00 If the written opinion prepared by ISA/US or the international preliminary examination report prepared All other situations......\$200 23. X Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by \$ 500.00 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an previously communicated to the US by the IB......\$400 All other situations......\$500 \$1000.00 TOTAL OF 21, 22 and 23 = Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. **Total Sheets** Extra Sheets Number of each additional 50 or fraction RATE thereof (round up to a whole number) - 100 = /50 = x \$250 Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration \$ after the date of commencement of the national stage (37 CFR 1.492(h)) NUMBER FILED NUMBER EXTRA **CLAIMS RATE** \$ Total claims - 20 = x \$50 \$ 18 0 Independent claims - 3 = \$200 \$ 3 0 х MULTIPLE DEPENDENT CLAIM(S) (if applicable) \$360 \$ TOTAL OF ABOVE CALCULATIONS = \$ Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. SUBTOTAL = \$1000.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$ 1000.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied \$ by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED = \$ 1000.00 Amount to be \$ refunded: Amount to be \$ charged

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a. 🔲 A	A check in the amount of \$ to cover the above fees is enclosed.			
ь. X Р	Please charge my Deposit Account No. $\underline{501456}$ in the amount of $1000.00$ to cover the above fees. A duplicate copy of this sheet is enclosed.			
	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 501456 A duplicate copy of this sheet is enclosed.			
	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.				
	L CORRESPONDENCE TO: MER NUMBER 27220	SIGNATURE  George E. FISK  NAME		
		22,243 REGISTRATION NUMBER		
BLAKE, CASSELS & GRAYDON LLP World Exchange Plaza 20th Floor, 45 O'Connor Street Ottawa, Canada K1P 1A4				